What is claimed is:

1.   A method for performing a business function in an object architecture,

comprising:

utilizing configuration information for directing at least one process to

5   perform said business function;

utilizing a reference library for defining data external to the object

architecture and supporting said configuration information;

interfacing said at least one process associated with the object architecture

with at least one in-memory object; and

10   utilizing at least one data storage object for preserving the data affected by

said at least one process.

2.   The method of claim 1, wherein said reference library comprises at least

one business process configuration object for managing said configuration information.

15

3.   The method of claim 2, wherein said reference library comprises at least

one data definition object for managing the definition of the data external to the object

architecture.

20   4.   The method of claim 3, wherein said business process configuration object

directs said at least one process in conjunction with said data definition object.

5.   The method of claim 4, wherein said data definition object is created by specifying source information for said data.

6.   A method for supporting requirements of a business function, comprising:

5   creating a library of data source configuration objects;

constructing a plurality of flexible business function management objects;

receiving data based on the configuration objects;

decomposing said data based on the configuration objects;

interpreting said data source configuration objects;

10   performing at least one business function on the received data; and

returning the results of the processed information.

7.   A method for reconciling data in a computing system, comprising:

utilizing configuration information for directing at least one process to

15 perform reconciliation of data;

utilizing a reference library for defining data external to said computing

system and supporting said configuration information;

interfacing said at least one process associated with the computing system

with at least one in-memory object; and

20   utilizing at least one data storage object for preserving the data affected by

said at least one process.

124

8.   The method of claim 7, wherein said reference library comprises at least one business process configuration object for managing said configuration information.

9.   The method of claim 8, wherein said reference library comprises at least

5   one data definition object for managing the definition of the data external to the computing system.

10.   The method of claim 9, wherein said business process configuration object directs said at least one process in conjunction with said data definition object.

10

11.   The method of claim 10, wherein said data definition object is created by specifying source information for said data.

12.   A method for monitoring data integrity in a computing system, the

15   computing system having a plurality of data sources, comprising:

analyzing data from said plurality of data sources;

configuring the computing system to support data reconciliation for said data, said configuring based on the data analysis; and

reconciling data from said plurality of data sources, said reconciling

20   dependent on information obtained during said configuring.

13. The method of claim 12, wherein said configuring comprises:

defining data characteristics for said plurality of data sources, said

characteristics allowing identification and interpretation of said data;

creating at least one data integrity control in accordance with said

5   analysis; and

configuring said at least one data integrity control, wherein said

configuring determines the data sources containing said data, matches said data between said

plurality of data sources, and compares individual data elements of the matched data.

10   14. The method of claim 13, wherein said reconciling comprises:

obtaining data from said plurality of data sources for said at least one data

integrity control; and

decomposing, matching, and identifying inconsistencies in said data by

utilizing said data characteristics, said data integrity control, and at least one system process to

15   obtain data reconciliation analysis for said data.

15. The method of claim 14, further comprising:

determining corrective instructions for said data reconciliation analysis;

and

20   utilizing information related to said corrective instructions.

16.   The method of claim 15, wherein said configuring comprises:

configuring said at least one data integrity control for storing at least one

field of an identifier for linking data records in the system to related data records in said plurality

of data sources; and

5   configuring said at least one data integrity control for updating said

information in said plurality of data sources.

17.   The method of claim 16, wherein said utilizing comprises:

transmitting said information back to one of said plurality of data sources.

10

18.   The method of claim 16, wherein said utilizing comprises:

transmitting said information back to an individual.

19.   A computing device comprising a computer readable medium having computer readable code means embodied therein for supporting the process requirements for data reconciliation, said computing device further comprising:

means for creating a library of data source configuration objects;

5   means for constructing a plurality of flexible business function management objects;

means for receiving data based on the configuration objects;

means for decomposing said data based on the configuration objects;

means for interpreting said data source configuration objects;

10   means for performing at least one business function on the received data;

and

means for returning the results of the processed information.

128

20. A system for performing a business function in an object architecture, comprising:

    a. a memory unit; and

    b. a processing unit disposed in communication with said memory unit, said

5   processing unit configured to:

    utilize configuration information for directing at least one process to

perform said business function;

    utilize a reference library for defining data external to the object

architecture and supporting said configuration information;

10   interface said at least one process associated with the object architecture

with at least one in-memory object; and

    utilize at least one data storage object for preserving the data affected by

said at least one process.

21. The method of claim 20, wherein said reference library comprises at least

15   one business process configuration object for managing said configuration information.

22. The method of claim 21, wherein said reference library comprises at least

one data definition object for managing the definition of the data external to the object

20   architecture.

23. The method of claim 22, wherein said business process configuration

object directs said at least one process in conjunction with said data definition object.

24.   The method of claim 23, wherein said data definition object is created by

specifying source information for said data.

5   25.   A system for reconciling data in a computing system, comprising:

a.   a memory unit; and

b.   a processing unit disposed in communication with said memory unit, said

processing unit configured to:

utilize configuration information for directing at least one process to

10   perform reconciliation of data;

utilize a reference library for defining data external to said computing

system and supporting said configuration information;

interface said at least one process associated with the computing system

with at least one in-memory object; and

15   utilize at least one data storage object for preserving the data affected by

said at least one process.

26.   The method of claim 25, wherein said reference library comprises at least

one business process configuration object for managing said configuration information.

20

27.   The method of claim 26, wherein said reference library comprises at least

one data definition object for managing the definition of the data external to the computing

system.

130

28.   The method of claim 27, wherein said business process configuration object directs said at least one process in conjunction with said data definition object.

5   29.   The method of claim 28, wherein said data definition object is created by specifying source information for said data.

30.   A system for monitoring data integrity in a computing system, the computing system having a plurality of data sources, comprising:

10   a.   a memory unit; and

b.   a processing unit disposed in communication with said memory unit, said processing unit configured to:

analyze data from said plurality of data sources;

configure the computing system to support data reconciliation for said

15   data, said configuring based on the data analysis; and

reconcile data from said plurality of data sources, said reconciling

dependent on information obtained during said configuring.

31.   The system of claim 30, wherein said processing unit is further configured to:

define data characteristics for said plurality of data sources, said characteristics allowing identification and interpretation of said data;

5   create at least one data integrity control in accordance with said analysis; and

configure said at least one data integrity control, wherein said configuring determines the data sources containing said data, matches said data between said plurality of data sources, and compares individual data elements of the matched data.

10   32.   The system of claim 31, wherein said processing unit is further configured to:

obtain data from said plurality of data sources for said at least one data integrity control; and

15   decompose, match, and identify inconsistencies in said data by utilizing said data characteristics, said data integrity control, and at least one system process to obtain data reconciliation analysis for said data.

33.   The system of claim 32, wherein said processing unit is further configured

20   to:

determine corrective instructions for said data reconciliation analysis; and

utilize information related to said corrective instructions.

615337 v1

34.   The system of claim 33, wherein said processing unit is further configured

to:

        configure said at least one data integrity control for storing at least one

field of an identifier for linking data records in the system to related data records in said plurality

5   of data sources; and

        configure said at least one data integrity control for updating said

information in said plurality of data sources.

35.   The system of claim 34, wherein said processing unit is further configured

10   to:

        transmit said information back to one of said plurality of data sources.

36.   The system of claim 34, wherein said processing unit is further configured

to:

15   transmit said information back to an individual.

37. A system for performing a business function in an object architecture, comprising:

means for utilizing configuration information for directing at least one process to perform said business function;

5 means for utilizing a reference library for defining data external to the object architecture and supporting said configuration information;

means for interfacing said at least one process associated with the object architecture with at least one in-memory object; and

means for utilizing at least one data storage object for preserving the data 10 affected by said at least one process.

38. The system of claim 37, wherein said reference library comprises at least one business process configuration object for managing said configuration information.

15 39. The system of claim 38, wherein said reference library comprises at least one data definition object for managing the definition of the data external to the object architecture.

40. The system of claim 39, wherein said business process configuration 20 object directs said at least one process in conjunction with said data definition object.

41. The system of claim 40, wherein said data definition object is created by specifying source information for said data.

42.   A system for reconciling data in a computing system, comprising:

means for utilizing configuration information for directing at least one process to perform reconciliation of data;

5   means for utilizing a reference library for defining data external to said computing system and supporting said configuration information;

means for interfacing said at least one process associated with the computing system with at least one in-memory object; and

means for utilizing at least one data storage object for preserving the data

10   affected by said at least one process.

43.   The system of claim 42, wherein said reference library comprises at least one business process configuration object for managing said configuration information.

15   44.   The system of claim 43, wherein said reference library comprises at least one data definition object for managing the definition of the data external to the computing system.

45.   The system of claim 44, wherein said business process configuration

20   object directs said at least one process in conjunction with said data definition object.

615337 v1

46.   The system of claim 45, wherein said data definition object is created by

specifying source information for said data.

47.   A system for monitoring data integrity in a computing system, the

5   computing system having a plurality of data sources, comprising:

        means for analyzing data from said plurality of data sources;

        means for configuring the computing system to support data reconciliation

for said data, said configuring based on the data analysis; and

        means for reconciling data from said plurality of data sources, said

10   reconciling dependent on information obtained during said configuring.

48.   The system of claim 47, wherein said means for configuring the

computing system comprises:

        means for defining data characteristics for said plurality of data sources,

15   said characteristics allowing identification and interpretation of said data;

        means for creating at least one data integrity control in accordance with

said analysis; and

        means for configuring said at least one data integrity control, wherein said

configuring determines the data sources containing said data, matches said data between said

20   plurality of data sources, and compares individual data elements of the matched data.

49   The system of claim 31, wherein means for reconciling data comprises:

means for obtaining data from said plurality of data sources for said at

least one data integrity control; and

means for decomposing, matching, and identifying inconsistencies in said

5   data by utilizing said data characteristics, said data integrity control, and at least one system

process to obtain data reconciliation analysis for said data.

50.   The system of claim 49, further comprising:

means for determining corrective instructions for said data reconciliation

10   analysis; and

means for utilizing information related to said corrective instructions.

51.   The system of claim 50, wherein said means for configuring the

computing system further comprises:

15   means for configuring said at least one data integrity control for storing at

least one field of an identifier for linking data records in the system to related data records in said

plurality of data sources; and

means for configuring said at least one data integrity control for updating

said information in said plurality of data sources.

20

52.   The system of claim 51, wherein said means for utilizing comprises:

means for transmitting said information back to one of said plurality of

data sources.

615337 v1

53.   The system of claim 51, wherein said means for utilizing comprises:

means for transmitting said information back to an individual.

5   54.   A computer device comprising a computer readable medium having

computer readable code means embodied therein for performing a business function in an object

architecture, said computer readable code means further comprising:

means for utilizing configuration information for directing at least one

process to perform said business function;

10   means for utilizing a reference library for defining data external to the

object architecture and supporting said configuration information;

means for interfacing said at least one process associated with the object

architecture with at least one in-memory object; and

means for utilizing at least one data storage object for preserving the data

15   affected by said at least one process.

55.   The computer readable code means of claim 54, wherein said reference

library comprises at least one business process configuration object for managing said

configuration information.

20

56.   The computer readable code means of claim 55, wherein said reference

library comprises at least one data definition object for managing the definition of the data

external to the object architecture.

615337 v1

57.   The computer readable code means of claim 56, wherein said business process configuration object directs said at least one process in conjunction with said data definition object.

5

58.   The computer readable code means of claim 57, wherein said data definition object is created by specifying source information for said data.

59.   A computer device comprising a computer readable medium having

10   computer readable code means embodied therein for reconciling data in a computing system, said computer readable code means further comprising:

means for utilizing configuration information for directing at least one process to perform reconciliation of data;

means for utilizing a reference library for defining data external to said

15   computing system and supporting said configuration information;

means for interfacing said at least one process associated with the computing system with at least one in-memory object; and

means for utilizing at least one data storage object for preserving the data affected by said at least one process.

20

60.   The computer readable code means of claim 59, wherein said reference library comprises at least one business process configuration object for managing said configuration information.

615337 v1

61. The computer readable code means of claim 60, wherein said reference library comprises at least one data definition object for managing the definition of the data external to the computing system.

5

62. The computer readable code means of claim 61, wherein said business process configuration object directs said at least one process in conjunction with said data definition object.

10 63. The computer readable code means of claim 62, wherein said data definition object is created by specifying source information for said data.

64. A computer device comprising a computer readable medium having computer readable code means embodied therein for monitoring data integrity in a computing

15 system, the computing system having a plurality of data sources, said computer readable code means further comprising:

means for analyzing data from said plurality of data sources;

means for configuring the computing system to support data reconciliation for said data, said configuring based on the data analysis; and

20 means for reconciling data from said plurality of data sources, said reconciling dependent on information obtained during said configuring.

65. The computer readable code means of claim 64, wherein said means for configuring the computing system comprises:

means for defining data characteristics for said plurality of data sources, said characteristics allowing identification and interpretation of said data;

5 means for creating at least one data integrity control in accordance with said analysis; and

means for configuring said at least one data integrity control, wherein said configuring determines the data sources containing said data, matches said data between said plurality of data sources, and compares individual data elements of the matched data.

10

66. The computer readable code means of claim 65, wherein means for reconciling data comprises:

means for obtaining data from said plurality of data sources for said at least one data integrity control; and

15 means for decomposing, matching, and identifying inconsistencies in said data by utilizing said data characteristics, said data integrity control, and at least one system process to obtain data reconciliation analysis for said data.

67. The computer readable code means of claim 66, further comprising:

20 means for determining corrective instructions for said data reconciliation analysis; and

means for utilizing information related to said corrective instructions.

68.   The computer readable code means of claim 67, wherein said means for configuring the computing system further comprises:

means for configuring said at least one data integrity control for storing at least one field of an identifier for linking data records in the system to related data records in said

5   plurality of data sources; and

means for configuring said at least one data integrity control for updating said information in said plurality of data sources.

69.   The computer readable code means of claim 68, wherein said means for

10   utilizing comprises:

means for transmitting said information back to one of said plurality of data sources.

70.   The computer readable code means of claim 68, wherein said means for

15   utilizing comprises:

means for transmitting said information back to an individual.

615337 v1

71.   A system for supporting requirements of a business function, comprising:

a.   a memory unit; and

b.   a processing unit disposed in communication with said memory unit, said

processing unit configured to:

5   create a library of data source configuration objects;

construct a plurality of flexible business function management objects;

receive data based on the configuration objects;

decompose said data based on the configuration objects;

interpret said data source configuration objects;

10   perform at least one business function on the received data; and

return the results of the processed information.

72.   A system for supporting requirements of a business function, comprising:

means for creating a library of data source configuration objects;

15   means for constructing a plurality of flexible business function

management objects;

means for receiving data based on the configuration objects;

means for decomposing said data based on the configuration objects;

means for interpreting said data source configuration objects;

20   means for performing at least one business function on the received data;

and

means for returning the results of the processed information.

143

73.   A computer device comprising a computer readable medium having

computer readable code means embodied therein for supporting requirements of a business

function, said computer readable code means further comprising:

means for creating a library of data source configuration objects;

5   means for constructing a plurality of flexible business function

management objects;

means for receiving data based on the configuration objects;

means for decomposing said data based on the configuration objects;

means for interpreting said data source configuration objects;

10   means for performing at least one business function on the received data;

and

means for returning the results of the processed information.

74.   A method for supporting the process requirements for data reconciliation,

15   comprising:

creating a library of data source configuration objects;

constructing a plurality of flexible business function management objects;

receiving data based on the configuration objects;

decomposing said data based on the configuration objects;

20   interpreting said data source configuration objects;

performing at least one business function on the received data; and

returning the results of the processed information.

144

75. A system for supporting the process requirements for data reconciliation, comprising:

a. a memory unit; and

b. a processing unit disposed in communication with said memory unit, said

5 processing unit configured to:

construct a plurality of flexible business function management objects;

receive data based on the configuration objects;

decompose said data based on the configuration objects;

interpret said data source configuration objects;

10 perform at least one business function on the received data; and

return the results of the processed information.

76. A system for supporting the process requirements for data reconciliation, comprising:

15 means for creating a library of data source configuration objects;

means for constructing a plurality of flexible business function

management objects;

means for receiving data based on the configuration objects;

means for decomposing said data based on the configuration objects;

20 means for interpreting said data source configuration objects;

means for performing at least one business function on the received data;

and

means for returning the results of the processed information.

615337 v1